

CLAIMS

- 1 1. A duct detector housing comprising:
2 a box having a front face, a side and a rear face adapted to receive a detector
3 therein, said box having a first sleeve, the first sleeve having a bore adapted to receive
4 a tubular conduit having a protruding conduit tab, said first sleeve having an inner
5 notched first end and an outer second end and a slot extending continuously between
6 the first and second ends and adapted to pass the conduit tab therethrough;
7 a conduit retainer overlying a portion of the first end of said first sleeve; and
8 a cover sealing against the front face of said box.
- 1 2. The housing of claim 1 wherein said first sleeve extends from the side
2 of said box.
- 1 3. The housing of claim 1 wherein said first sleeve portion extends from
2 the rear face of said box.
- 1 4. The housing of claim 1 further comprising a second sleeve and a
2 second conduit retainer positioned to overlie said second sleeve.
- 1 5. The housing of claim 1 wherein said first sleeve is integral to said box.

1 6. The housing of claim 1 wherein the slot in said first sleeve is an
2 interior groove.

1 7. The housing of claim 1 wherein the first notched end of said first
2 sleeve has a notch of a depth capable of receiving the protruding tab of said conduit.

1 8. The housing of claim 7 further comprising a plurality of spaced
2 notches.

1 9. The housing of claim 1 wherein said conduit retainer is a spring to
2 urge said conduit into contact with the first end of said first sleeve.

1 10. The housing of claim 1 wherein said conduit retainer is affixed to said
2 first sleeve.

1 11. The housing of claim 10 wherein the conduit retainer is threadably
2 affixed to said first sleeve.

1 12. The housing of claim 1 wherein said conduit retainer is repositionable
2 beyond a space above the sleeve bore.

1 13. The housing of claim 12 wherein said conduit retainer further
2 comprises a thumb tab.

1 14. The housing of claim 1 wherein said box is formed of an injectable
2 thermoplastic.

1 15. The housing of claim 1 wherein said cover is transparent.

1 16. A duct detector housing comprising:
2 a box having a front face, a side and a rear face adapted to receive a detector
3 therein, said box having a plurality of slotted sleeves, each of said plurality of slotted
4 sleeves having a bore adapted to receive a tubular conduit having a protruding
5 conduit tab;
6 a conduit retainer overlying each of said plurality of slotted sleeves; and
7 a cover sealing against the front face of the box.

1 17. The housing of claim 16 wherein said plurality of sleeves are integral
2 to said box.

1 18. The housing of claim 16 wherein each of said plurality of sleeves has a
2 notch capable of receiving the protruding tab of the tubular conduit.

1 19. The housing of claim 16 wherein said conduit retainer is a spring to
2 urge said conduit into contact with the first end of said first sleeve.

1 20. The housing of claim 16 wherein said conduit retainer is affixed to
2 said first sleeve.

1 21. The housing of claim 16 wherein the conduit retainer is threadably
2 affixed to said first sleeve.

1 22. The housing of claim 16 wherein said conduit retainer is repositionable
2 beyond a space above the sleeve bore.

1 23. The housing of claim 22 wherein said conduit retainer further
2 comprises a thumb tab.

1 24. The housing of claim 17 wherein said box is formed of an injectable
2 thermoplastic.

1 25. The housing of claim 17 wherein said cover is transparent.